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CONTINUATION OF RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION IN OKLAHOMA. QUARTERTY REPORT, DECEMBER 1, 1966-MARCH 1, 1967.

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DESCRIPTORS- *RESEARCH COORDINATING UNITS, *PROGRAM DESCRIPTIONS, *STATE PROGRAMS, *EDUCATIONAL RESEARCH, *VOCATIONAL EDUCATION, OKLAHOMA,

VOCATIONAL EDUCATION RESEARCH PRIORITIES FOR IMPROVING VOCATIONAL-TECHNICAL EDUCATION WERE DEFINED BY THE UNIT WITH THE ASSISTANCE OF ITS COUNSULTING AND ADVISORY BOARDS. TEACHERS IN THE FIELD ARE BEING ENCOURAGED TO DEVELOP INNOVATIVE PRACTICES WHICH MANY BE EVALUATED TO FIND SOLUTIONS TO PRESSING PROBLEMS. SPECIAL ATTENTION WILL BE DIRECTED TOWARD THE AREAS OF CURRICULUM DEVELOPMENT, COUNSELING, AND COMMUNICATION BETWEEN SCHOOLS AND BUSINESS AND INDUSTRY. THREE HALF-TIME RESEARCH ASSISTANTS, WORKING TOWARD THE DOCTORAL DEGREE, WERE ADDED TO THE STAFF AND WILL BE CARRYING OUT INDIVIDUAL RESEARCH AND ASSISTING IN UNIT PROJECTS. RESEARCH PROJECTS INCLUDED A STATEWIDE STUDY OF THE PLANS OF HIGH SCHOOL SENIORS AND A FOLLOWUP STUDY OF VOCATIONAL STUDENTS. NEW PROJECTS ARE BEING DEVELOPED IN THE AREAS OF VOCATIONAL EDUCATION IN SMALL RURAL HIGH SCHOOLS IN OKLAHOMA, TOTAL COMMUNITY APPROACH TO SOLVING EDUCATIONAL AND CULTURAL PROBLEMS OF INDIAN CHILDREN IN SELECTED OKLAHOMA SCHOOLS, PARAMEDICAL EDUCATION, PROGRAM PLANNING AND DEVELOPMENT IN ELECTRO-MECHANICAL TECHNOLOGY. THE PROJECT ON HUMAN DISABILITY ESTIMATES AND PROJECTIONS WAS COMPLETED. DURING THE QUARTER, UNIT PERSONNEL ATTENDED SEVEN OUT-OF-STATE MEETINGS, PARTICIPATED IN 11 STATE CONFERENCES, AND HELD 19 INDIVIDUAL CONFERENCES ON RESEARCH. (MM)

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U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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QUARTERLY REPORT

PROJECT NUMBER 6-3018

VOCATIONAL RESEARCH COORDINATING UNIT FOR OKLAHOMA

December 1, 1966 to March 1, 1967

CONTINUATION OF RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION IN OKLAHOMA

Grant No. OEG-4-7-063018-1597

William W. Stevenson, Ed.D.,
Principal Investigator

Marvin T. Edmison, Ph.D., Director
Research Foundation

Progress on this project is satisfactory
Project Officer, BRD, DAVR
Date 4/11/67

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QUARTERLY REPORT
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VOCATIONAL RESEARCH COORDINATING UNIT FOR OKLAHOMA
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I. Vocational Education Research Priorities for Oklahoma.

Oklahoma RCU has, with the assistance of its consulting and advisory boards, defined a set of problem areas which need particular attention if we are to progressively improve vocational-technical education.

We are encouraging teachers in the field to develop innovative practices which may be evaluated as we attempt to find solutions to the most pressing problems. The RCU will be particularly interested in working with educators on the listed priority areas. However, we are still interested in all researchable vocational education problems.

Following is the priority list of problems to which we will give special attention during the next quarter (March, April, May):

Curriculum Development

1. To develop programs of vocational education for low ability students.
2. To develop a pre-vocational program for the junior high level.

Counseling

1. To establish improved methods of providing occupational information to counselors, students and parents.
2. To develop improved methods for selecting students for vocational-technical education programs.

Communication

1. To develop better communication techniques between school vocational-technical education and business and industry by:
   a. Defining the roles of business and industry in vocational-technical education
   b. Developing procedures for determing needs of business and industry on a continuing basis - and reflecting those needs in vocational-technical education courses.

II. New Personnel - Research Assistants

Three half-time research assistants have been added to the RCU staff. These men will be working toward the doctoral degree, while also developing competencies in designing and conducting research in vocational education.

David L. Williams comes from Arkansas City, Kansas with seven and one-half years of teaching experience in vocational agriculture. He attended Cameron State Agricultural College at Lawton, Oklahoma, and received his B.S. degree from Oklahoma State University in 1959. His M.S. degree was earned at Kansas State University in 1965, and he is presently studying for a doctorate in agricultural education.

Wilfred "Bill" Bates graduated from Northwestern State College with a B.S.Ed. degree in May, 1954 and from Colorado State College with a M.A. degree in August, 1954. Bill's experience has included teaching industrial arts in the Tulsa Public Schools, being Superintendent of Schools in Kingsdown, Kansas, being Personnel Manager of the Denver Division of Honeywell, Inc. and teaching mathematics in the Denver Public Schools. He is presently on leave from the Denver Public Schools working on a doctoral degree in Technical education.

Tim Baker comes to us from Tahlequah, Oklahoma. Tim's experiences have included teaching industrial arts, science, vocational carpentry and being a principal of an elementary school. Tim has 18 years of teaching experience, most of which has been as a vocational carpentry teacher. He has taught in Jay, Shidler, Sapulpa, and Tahlequah, Oklahoma. He is presently working on a doctoral degree in Higher Education, specializing in vocational education and administration.

These men will be carrying out individual research projects as well as assisting in the current and future projects of the RCU.

III. Progress Report on Current Research Projects

1. Study of the Plans of High School Seniors

The Oklahoma RCU in cooperation with a number of state agencies (Oklahoma State Tech; Oklahoma Association of School Administrators; Board of Regents for Higher Education; Oklahoma Employment Security; State Department of Education, Dropout Division and Guidance and Counseling; State Department of Vocational Education; Research Coordinating Unit; Vocational Rehabilitation; Oklahoma Commission on Educational Administration) is conducting a state-wide study of the immediate and long-time plans of the approximately 40,000 high school seniors in Oklahoma. The questionnaire, developed by the agencies involved, is being administered by the local high school to all senior students. Answers are being recorded on a standard answer sheet which will transmit answers to an optical scanner for card punching. The RCU will analyze the data and publish the results. Returns have been received for approximately 65% of Oklahoma's schools.

2. Follow-Up Study of Vocational Students

The Oklahoma RCU in cooperation with the State Department of Vocational Education is conducting a follow-up study of vocational graduates and leavers for the past three years. Each vocational

teacher will have responsibility for recording the information regarding graduates and leavers of his vocational department on visual scanner sheets for automatic card punching. The computer will be used to analyze and store information for this study which will be continuous. A committee of vocational education supervisors assisted the RCU in developing materials for the study. The questionnaire was pretested with vocational teachers in Stillwater school and the Tulsa Area Vocational-Technical Center. Data collection will be completed in the Spring of 1967. The RCU will analyze the data and publish a report of the findings.

IV. New Projects Being Developed

1. Vocational Education in the Small Rural High School in Oklahoma

The study deals with the problem of increasing the effectiveness of the vocational agriculture teacher and/or the vocational home economics teachers as the only vocational teacher in many of the small high schools in Oklahoma.

Some possible alternatives are:
1. Training for off-farm agricultural occupations
2. Vocational education instruction for a number of occupations
3. Working with students having special needs

2. A Total Community Approach to Solving Educational and Cultural Problems of Indian Children in Selected Oklahoma Schools. (Proposal to be submitted in near future.)

3. Development of Paramedical Education

The proposal has been completed. Joint funding is being sought through several agencies, and the proposal will be submitted in the near future.

4. Program Planning and Development in an Emerging Technology (Electro-Mechanical)

V. Projects Completed

Disabilities in Oklahoma: Estimates and Projections

Dr. Michael Bohleber, OSU Department of Sociology, has completed the Oklahoma Survey of Disabilities and has submitted the report to the Vocational Rehabilitation Division, State Board for Vocational Education. The report contains estimates and projections of the disabled for the state and for 10 vocational rehabilitation planning areas. Projections are made for 1970 and 1975. Disabled are reported by age, sex, residence, and race categories; by urban-rural classification; and by type of disability. Specific information concerning the study is available from the RCU. The report is available on a limited basis. It has been distributed to all RCU's.

VI. Out of State Meetings Attended

Western States RCU Directors Meeting, Phoenix, Arizona
Stevenson

The Research Coordinating Committee for the Center for Occupational Education, North Carolina State University, Raleigh, North Carolina
Stevenson

Research Management Conference, Ohio State University, Columbus, Ohio
Frazier

The American Educational Research Association, New York City, New York
Frazier

Conference with the Regional Office, Dallas, Texas
Stevenson

The National Curriculum Clinic, Kansas City, Missouri
Stevenson

American Vocational Association Convention, Denver, Colorado
Stevenson, Frazier

VII. In-State Conferences

The Conference on Research, Regional Office of Education at Oklahoma City University
Frazier and Research Assistants

The Governor's Conference on Vocational Technical Education, Oklahoma City
Stevenson

The California Study of Administration in Vocational Education, Stillwater, Oklahoma
Stevenson

Mid-Winter Conference, Vocational Agricultural Teachers
Stevenson - Presentation of Follow-up Study

Conference on Research in Technical Education, Stillwater, Oklahoma with Dr. Scotty Robb, Oklahoma Economic Development Foundation, Mr. Don Harper, OU Research Institute, Mr. Pat Shoat, Industrial Development and Park Department, and Mr. Bill Powers, Technical Education State Supervisor
Stevenson

Mid-Winter Conference, Vocational Home Economic Teachers
Stevenson - Presentation of Follow-up Study

Conferences on Air Plane Mechanics Training Program with Mr. Giles Lay, American Flyers, Ardmore, Oklahoma; Mr. Troyce McGovern, Southeastern State College, Durant, Oklahoma; Mr. M. R. Traviolia North American Aviation, Tulsa, Oklahoma; Mr. Don Brown, Technical Education, Oklahoma State University
Stevenson

Conference on Proposal for Study of Technical Education in Oklahoma with Dr. Paul Braden, Technical Education, Oklahoma State University
Stevenson, Frazier

Conference on Indian Education Proposal with Dr. Buck Benhall, Bureau of Indian Affairs
Stevenson, Frazier

Conferences on Evaluation, Vocational Education staff members

Conferences with Vocational Education Follow-up Committee

VIII. Individual Conferences on Research

Harry Franks, A Study of Adult Vocational Programs in Local Vocational Education Departments in Oklahoma

Don Harper, OU Research Institute, Summary of Research Competencies & Interests at the University of Oklahoma

Mr. Neal Lawman, Research in Agriculture Education

Mr. Harry Hoerner, Proposal for Research in MDTA Training Program

Karen Bauman, Research in Vocational Education

Charles Kaiser, Conference on proposal for research in vocational education

Marsena Norris, Conference on proposal for research invocational education

Mr. John Bruton, Conference on completion of research for doctoral degree

Mr. Don Phillips, Conference on proposal for research in technical education

Conference with J. D. Giddens, Title III E.S.E.A. Programs

Gordon E. Von Stroh, Economics Department O.U., An Economic Stud, of Vocational-Technical Education in Oklahoma

Charles McDaniels, Proposal for Development of Health Occupations Programs

Conference with Mr. Sam Davis, Economics Department, Oklahoma State University, Research in vocational education

Dr. Joe Leone and Mr. Jim Petree, Oklahoma University, Development and Implemintation of Selected Guidance Procedures in a Comprehensive Adult Guidance Program

Cecil Dugger, Cost Analysis of Two-Year Post-High School Technician Education Programs

Bill Shipley, Bureau of Indian Affairs

Charles Haraughty, Research on T & I Projectuals

Tommie Roberts, Research proposal on computer aided counseling

Gerald E. Boggs, Research Project on Employer Satisfaction with MDTA Graduates

IX. Proposals Submitted

1. Summer Institute to Train Data Processing Teachers for the New Oklahoma State-wide Computer Science System and for Other States -- Phase II

2. A Study of Technical-Vocational Education Beyond the High School in Oklahoma. Submitted to the Oklahoma Economic Development Foundation

3. Project Development for Distributive Education Curricula.

X. Other Activities

1. Alva Vocational Agriculture Teachers Conference, Research in Off-Farm Agricultural Occupations

2. Agricultural Education Class, Research in Agriculture Education

3. Meeting with Agricultural Education Student Teachers

4. Visit to local schools - Area Vocational-Technical school in Ardmore and Tulsa. Muskogee, Putnam City, Guthrie, Waynoka, Woodward, Elk City, Lawton, Duncan, and Moore high schools.

5. Distributed 3rd issue, bi-monthly newsletter, circulation - 1513.

6. Distributed 4th issue, bi-monthly newsletter, circulation - 1555.

7. Monthly meetings of College of Education department heads and directors.

8. Monthly conferences with Dean, College of Education

9. Semi-monthly meeting of Research Information Exchange Committee

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